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May 9, 2002

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MAY - 9 2002

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

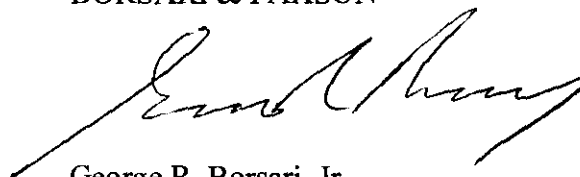
Ms. Marlene H. Dorch  
Secretary  
Federal Communications Commission  
445 12th Street S.W.  
Washington DC 20554

Re: WVSX-DT, Lewisburg, WV  
Petition for Rule Making

Forwarded herewith, on behalf of High Mountain Broadcasting Corporation, permittee of television station WVSX-DT, Lewisburg, West Virginia, are an original and four (4) copies of a Petition for Rule Making seeking to amend the DTV Table of Allotments.

Very truly yours,

BORSARI & PAXSON



George R. Borsari, Jr.

No. of Copies rec'd 0+4  
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02-131

**Before the  
Federal Communications Commission  
Washington, D.C. 20554**

In the Matter of )  
 )  
Amendment of Section 73.622(b) )  
Table of Allotments )  
Digital Television Broadcast Stations )  
(Lewisburg, WV) )

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**RECEIVED**

**MAY - 9 2002**

To: Chief, Video Services Division  
Media Bureau

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

**PETITION FOR RULE MAKING**

High Mountain Broadcasting Corporation, licensee of commercial television station WVSX, Lewisburg, West Virginia, and permittee of television station WVSX-DT, Lewisburg, West Virginia, by its attorneys and pursuant to Section 1.401 of the Commission's Rules, hereby requests that the Commission initiate a rulemaking proceeding to amend Section 73.622(b) of the Rules and Regulations (the DTV Table) by substituting DTV Channel 8, in lieu of DTV Channel 48 as originally allotted.

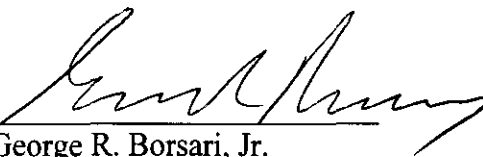
As shown in the accompanying Engineering Statement of D. L. Markley and Associates, Inc. ("Engineering Statement"), Channel 8 may be allotted for DTV use by Station WVSX at the currently authorized WVSX-DT site without causing interference, in excess of those amounts considered *de minimis* by the Commission's Rules, to any other existing or proposed station. The Engineering Statement also demonstrates that, in each case of interference, the increase at the NTSC station will be less than two percent, and the total cumulative interference at those stations will be less than 10 percent. Finally, the Engineering Statement establishes that operating as proposed on digital Channel 8, WVSX-DT would meet all applicable coverage and allocation criteria set

forth in the Commission's Rules. Upon the Commission's grant of this petition and the modification of the DTV allocation for Lewisburg, WV from Channel 48 to Channel 8, High Mountain will timely file an application specifying the operation of WVSX-DT on Channel 8.

WHEREFORE, for the reasons set forth above, a rulemaking proceeding should be initiated proposing the amendment of Section 73.622(b) of the Commission's Rules to substitute Channel 8 for Channel 48 in the DTV Table of Allotments for use by Station WVSX-DT.

Respectfully submitted,

HIGH MOUNTAIN BROADCASTING CORPORATION

By:   
George R. Borsari, Jr.  
Anne Thomas Paxson

Its Attorneys

Borsari & Paxson

4000 Albemarle Street, N.W.  
Suite 100  
Washington, DC 20016  
(202) 296-4800

May 9, 2002

**PETITION FOR RULEMAKING**

**TELEVISION STATION WVSX-DT**

**HIGH MOUNTAIN BROADCASTING  
CORPORATION**

**LEWISBURG, WEST VIRGINIA**

**APRIL 2002**

State of Illinois     )

)ss

County of Peoria    )

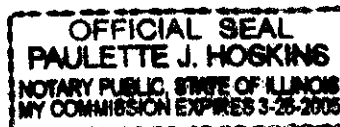
Donald L. Markley, being first duly sworn, deposes and says that he is a Consulting Engineer and that he has been retained by High Mountain Broadcasting Corporation to prepare the following engineering exhibits, that he is a Registered Professional Engineer in Illinois by examination, that he holds a Bachelor of Science Degree in Electrical Engineering and Master of Science in Electrical Engineering, that his qualifications have been accepted by the Federal Communications Commission, and the following exhibits have been prepared by him and that they are true and correct to the best of his knowledge and belief.

  
Donald L. Markley, P.E. Affiant

Subscribed and sworn to before me this 25<sup>th</sup> Day of April 2002.

  
Notary Public

My Commission Expires:



**Petition for Rulemaking**

The following engineering statement and attached exhibits have been prepared for High Mountain Broadcasting Corporation, permittee of digital television station WVSX-DT, and are in support of their petition for rulemaking to modify Section 73.622, Digital Television Station Table of Allotments, of the Commission's Rules and Regulations.

High Mountain Broadcasting Corporation proposes to modify the Digital Television Table of Allotments as follows:

City:	Existing	Proposed
Lewisburg, WV	48	8

The attached exhibits demonstrate that Channel 8 can be allotted to Lewisburg, West Virginia for operation at the currently authorized WVSX-DT site without causing interference to any other existing or proposed station in excess of those amounts considered *de minimus* by the Commission's Rules and Regulations. In particular, the proposed facility would cause interference to WDBJ, WCHS-TV and WSWP-TV. In each case, the increase in the interference to each of those stations is less than 2% and the total interference, which would result at any of those stations, is less than 10%. This complies with the amounts determined to be *de minimus* in "Additional Application Processing Guidelines for Digital Television (DTV)", as issued by the Commission on August 10, 1998.

The maximum power permitted by the Rules and Regulations for this facility would be 3.8 KW as the antenna would be located at 568 meters above average terrain. The center of radiation of the antenna system would be at 1249 meters above mean sea level.

The facility would utilize a directional transmitting antenna. The horizontal plane pattern for that antenna is attached as well as a tabulation of the proposed relative field values in the horizontal plane.

Upon approval of the requested rulemaking, High Mountain Broadcasting Corporation will promptly prepare and file FCC form 301 to modify the existing construction permit to show operation on Channel 8.

INTERFERENCE TO OTHER STATIONS OR ALLOCATIONS FROM  
PROPOSED WVSX-DT ON CHANNEL 8

WVSX-D.C (8) Lewisburg, WV  
TV Outgoing Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
# of radials computed for contours: 72  
Contours calculated using 8 radial HAAT.  
LR Profile Spacing Increment: 0.1 km  
Masked interference points are being counted  
as interference free.

Study Date: 4/24/02  
TV Database Date: 02-06-02

Population Database: 2000 US Census (PL)

Stations which receive interference:

Call Letters	H Units	Population	Area (sq. km)
WDBJ	0	1833	145.77
WCHSTV	0	1936	92.95
WSWPTV	0	2132	143.64

Totals for WVSX-D.C

Total population to which interference is caused: 5901  
Total number of housing units to which interference is caused: 0

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	Housing Units	Population
Kentucky		
Greenup County		
WCHSTV	0	127
Lawrence County		
WCHSTV	0	75

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	Housing Units	Population
West Virginia		
Braxton County		



WCHSTV	0	52
Calhoun County		
WCHSTV	0	346
Clay County		
WCHSTV	0	75
Fayette County		
WDBJ	0	349
WCHSTV	0	68
Gilmer County		
WCHSTV	0	26
Greenbrier County		
WDBJ	0	93
WSWPTV	0	606
Logan County		
WCHSTV	0	859
Mercer County		
WSWPTV	0	184
Monroe County		
WDBJ	0	742
WSWPTV	0	1,100
Raleigh County		
WCHSTV	0	30
Roane County		
WCHSTV	0	2
Summers County		
WDBJ	0	649
WSWPTV	0	242
Wyoming County		
WCHSTV	0	83

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	Housing Units	Population
Ohio		
Gallia County		
WCHSTV	0	20
Scioto County		
WCHSTV	0	173

Incoming Interference to WDBJ From Other Stations  
And Allocations With the Proposed WVSX-DT

WDBJ (07-) Roanoke, VA  
TV Incoming Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
# of radials computed for contours: 72  
Contours calculated using 8 radial HAAT.  
LR Profile Spacing Increment: 0.1 km  
Interference considered within the  
reference station's noise limited contour.  
Threshold for reception: 56.0

Study Date: 4/25/02  
TV Database Date: 02-06-02

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 1,302,388.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WJLATV (07+)	3106	7786	0.598	331.41
WLJCTV.A (07Z)	301	636	0.049	26.13
WITNTV (07Z)	25350	55664	4.274	1262.39
WGHP (08-)	2284	5309	0.408	126.08
WSPATV.C (07+)	5841	12861	0.987	346.62
WBIR-D.P.A (07)	22	51	0.004	4.39
WTRFTV (07Z)	598	1338	0.103	97.67
WVSX.C (8)	3326	6888	0.529	319.90

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WJLATV (07+)	7786	0.598	4742	0.364
WLJCTV.A (07Z)	636	0.049	499	0.038
WITNTV (07Z)	55664	4.274	48113	3.694
WGHP (08-)	5309	0.408	704	0.054
WSPATV.C (07+)	12861	0.987	8823	0.677
WBIR-D.P.A (07)	51	0.004	51	0.004
WTRFTV (07Z)	1338	0.103	360	0.028
WVSX.C (8)	6888	0.529	5989	0.460

Stations considered which do not cause interference:

WCHSTV (08+)

Call Letters	City	State	Dist	Bear
WJLATV (07+)	Washington	DC	332.8	53.2
WLJCTV.A (07Z)	Beattyville	KY	314.7	279.5
WITNTV (07Z)	Washington	NC	320.6	128.5
WGHP (08-)	High Point	NC	155.9	169.6
WSPATV.C (07+)	Spartanburg	SC	295.5	221.2
WBIR-D.P.A (07)	Knoxville	TN	363.3	249.8
WTRFTV (07Z)	Wheeling	WV	322.4	350.9
WCHSTV (08+)	Charleston	WV	204.4	311.7
WVSX.C (8)	Lewisburg	WV	80.5	322.9

Totals for WDBJ (07-)

Calculation Area Population:	1,512,440	(	44558.1 sq. km )
Not Affected by Terrain Loss:	1,302,388	(	38016.2 sq. km )
Total NTSC Interference:	79,166	(	2167.6 sq. km )
DTV Only Interference:	51	(	4.4 sq. km )
Total DTV Interference:	51	(	4.4 sq. km )
Interfered Population:	79,217	(	2172.1 sq. km )
Interference Free:	1,223,171	(	35844.2 sq. km )

Percent Interference:	6.08
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Terrain Blocked Population:	210,052	(	6541.9 sq. km)
Contour Area Population:	1,511,337		

Incoming Interference to WDBJ From Other Stations  
And Allocations Without the Proposed WVSX-DT

WDBJ (07-) Roanoke, VA  
TV Incoming Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
# of radials computed for contours: 72  
Contours calculated using 8 radial HAAT.  
LR Profile Spacing Increment: 0.1 km  
Interference considered within the  
reference station's noise limited contour.  
Threshold for reception: 56.0

Study Date: 4/25/02  
TV Database Date: 02-06-02

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 1,302,388.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WJLATV (07+)	3106	7786	0.598	331.41
WLJCTV.A (07Z)	301	636	0.049	26.13
WITNTV (07Z)	25350	55664	4.274	1262.39
WGHP (08-)	2284	5309	0.408	126.08
WSPATV.C (07+)	5841	12861	0.987	346.62
WBIR-D.P.A (07)	22	51	0.004	4.39
WTRFTV (07Z)	598	1338	0.103	97.67

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WJLATV (07+)	7786	0.598	4742	0.364
WLJCTV.A (07Z)	636	0.049	528	0.041
WITNTV (07Z)	55664	4.274	48113	3.694
WGHP (08-)	5309	0.408	704	0.054
WSPATV.C (07+)	12861	0.987	8823	0.677
WBIR-D.P.A (07)	51	0.004	51	0.004
WTRFTV (07Z)	1338	0.103	1230	0.094

Stations considered which do not cause interference:

WCHSTV (08+)

Stations which were not considered:

## WVSX.C (8)

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Call Letters	City	State	Dist	Bear
WJLATV (07+)	Washington	DC	332.8	53.2
WLJCTV.A (07Z)	Beattyville	KY	314.7	279.5
WITNTV (07Z)	Washington	NC	320.6	128.5
WGHP (08-)	High Point	NC	155.9	169.6
WSPATV.C (07+)	Spartanburg	SC	295.5	221.2
WBIR-D.P.A (07)	Knoxville	TN	363.3	249.8
WTRFTV (07Z)	Wheeling	WV	322.4	350.9
WCHSTV (08+)	Charleston	WV	204.4	311.7
WVSX.C (8)	Lewisburg	WV	80.5	322.9

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## Totals for WDBJ (07-)

Calculation Area Population:	1,512,440	(	44558.1 sq. km )
Not Affected by Terrain Loss:	1,302,388	(	38016.2 sq. km )
Total NTSC Interference:	73,177	(	1880.3 sq. km )
DTV Only Interference:	51	(	4.4 sq. km )
Total DTV Interference:	51	(	4.4 sq. km )
Interfered Population:	73,228	(	1884.7 sq. km )
Interference Free:	1,229,160	(	36131.5 sq. km )

Percent Interference:	5.62
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Terrain Blocked Population:	210,052	(	6541.9 sq. km)
Contour Area Population:	1,511,337		

Incoming Interference to WCHS-TV from Other Stations  
and Allocations with the Proposed WVSX-DT

WCHSTV (08+) Charleston, WV  
TV Incoming Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
# of radials computed for contours: 72  
Contours calculated using 8 radial HAAT.  
LR Profile Spacing Increment: 0.1 km  
Interference considered within the  
reference station's noise limited contour.  
Threshold for reception: 56.0

Study Date: 4/25/02  
TV Database Date: 02-06-02

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 922,373.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WGHP (08-)	954	2038	0.221	21.72
WLIO-D.C (08)	43	98	0.011	6.41
WJW.C (08+)	1692	3692	0.400	247.43
WWCPTV (08-)	682	1347	0.146	130.26
WVLTTV (08Z)	141	320	0.035	23.87
WSWPTV (09-)	2696	5993	0.650	175.47
WVSX.C (8)	1940	4442	0.482	130.00

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WGHP (08-)	2038	0.221	134	0.015
WLIO-D.C (08)	98	0.011	49	0.005
WJW.C (08+)	3692	0.400	2850	0.309
WWCPTV (08-)	1347	0.146	528	0.057
WVLTTV (08Z)	320	0.035	320	0.035
WSWPTV (09-)	5993	0.650	807	0.087
WVSX.C (8)	4442	0.482	256	0.028

Stations considered which do not cause interference:

WLJCTV.A (07Z)  
WBNA-D.C (08)  
WRICTV (08Z)  
WBNA-D (8)

Call Letters	City	State	Dist	Bear
WLJCTV.A (07Z)	Beattyville	KY	178.6	240.9
WBNA-D.C (08)	Louisville	KY	339.7	264.2
WGHP (08-)	High Point	NC	341.2	146.9
WLIO-D.C (08)	Lima	OH	322.7	324.3
WJW.C (08+)	Cleveland	OH	328.5	2.7
WWCPTV (08-)	Johnstown	PA	308.4	49.5
WVLTV (08Z)	Knoxville	TN	321.3	214.7
WRICTV (08Z)	Petersburg	VA	390.8	103.4
WSWPTV (09-)	Grandview	WV	98.2	125.0
WBNA-D (8)	LOUISVILLE	KY	339.7	264.2
WVSX.C (8)	Lewisburg	WV	126.4	123.5

Totals for WCHSTV (08+)

Calculation Area Population:	1,024,274	(	28198.8 sq. km )
Not Affected by Terrain Loss:	922,373	(	26282.0 sq. km )
Total NTSC Interference:	10,923	(	539.2 sq. km )
DTV Only Interference:	49	(	2.1 sq. km )
Total DTV Interference:	98	(	6.4 sq. km )
Interfered Population:	10,972	(	541.4 sq. km )
Interference Free:	911,401	(	25740.6 sq. km )

Percent Interference: 1.19

Terrain Blocked Population:	101,901	(	1916.8 sq. km)
Contour Area Population:	1,023,305		

Incoming Interference to WCHS-TV from Other Stations  
and Allocations Without the Proposed WVSX-DT

WCHSTV (08+) Charleston, WV  
TV Incoming Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
# of radials computed for contours: 72  
Contours calculated using 8 radial HAAT.  
LR Profile Spacing Increment: 0.1 km  
Interference considered within the  
reference station's noise limited contour.  
Threshold for reception: 56.0

Study Date: 4/25/02  
TV Database Date: 02-06-02

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 922,373.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WGHP (08-)	954	2038	0.221	21.72
WLIO-D.C (08)	43	98	0.011	6.41
WJW.C (08+)	1692	3692	0.400	247.43
WWCPTV (08-)	682	1347	0.146	130.26
WVLTTV (08Z)	141	320	0.035	23.87
WSWPTV (09-)	2696	5993	0.650	175.47

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WGHP (08-)	2038	0.221	134	0.015
WLIO-D.C (08)	98	0.011	49	0.005
WJW.C (08+)	3692	0.400	2850	0.309
WWCPTV (08-)	1347	0.146	528	0.057
WVLTTV (08Z)	320	0.035	320	0.035
WSWPTV (09-)	5993	0.650	4063	0.440

Stations considered which do not cause interference:

WLJCTV.A (07Z)  
WBNA-D.C (08)  
WRICTV (08Z)  
WBNA-D (8)

Stations which were not considered:



WVSX.C (8)

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Call Letters	City	State	Dist	Bear
WLJCTV.A (07Z)	Beattyville	KY	178.6	240.9
WBNA-D.C (08)	Louisville	KY	339.7	264.2
WGHP (08-)	High Point	NC	341.2	146.9
WLIO-D.C (08)	Lima	OH	322.7	324.3
WJW.C (08+)	Cleveland	OH	328.5	2.7
WWCPTV (08-)	Johnstown	PA	308.4	49.5
WVLT TV (08Z)	Knoxville	TN	321.3	214.7
WRIC TV (08Z)	Petersburg	VA	390.8	103.4
WSWPTV (09-)	Grandview	WV	98.2	125.0
WBNA-D (8)	LOUISVILLE	KY	339.7	264.2
WVSX.C (8)	Lewisburg	WV	126.4	123.5

---

Totals for WCHSTV (08+)

Calculation Area Population:	1,024,274	(	28198.8 sq. km )
Not Affected by Terrain Loss:	922,373	(	26282.0 sq. km )
Total NTSC Interference:	10,667	(	504.5 sq. km )
DTV Only Interference:	49	(	2.1 sq. km )
Total DTV Interference:	98	(	6.4 sq. km )
Interfered Population:	10,716	(	506.7 sq. km )
Interference Free:	911,657	(	25775.3 sq. km )
Percent Interference:	1.16		
Terrain Blocked Population:	101,901	(	1916.8 sq. km)
Contour Area Population:	1,023,305		

Incoming Interference to WSWP-TV from Other Stations  
and Allocation with the Proposed WVSX-DT

WSWPTV (09-) Grandview, WV  
TV Incoming Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
# of radials computed for contours: 72  
Contours calculated using 8 radial HAAT.  
LR Profile Spacing Increment: 0.1 km  
Interference considered within the  
reference station's noise limited contour.  
Threshold for reception: 56.0

Study Date: 4/25/02  
TV Database Date: 02-06-02

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 642,785.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WSOCTV (09+)	18	33	0.005	61.23
WCPOTV (09Z)	1439	3362	0.523	53.89
WTOVTV (09+)	4198	10239	1.593	333.79
WSLSTV (10Z)	47	100	0.016	39.36
WCHSTV (08+)	18834	41383	6.438	644.47
WVSX.C (8)	5424	10752	1.673	574.56

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WSOCTV (09+)	33	0.005	33	0.005
WCPOTV (09Z)	3362	0.523	175	0.027
WTOVTV (09+)	10239	1.593	3011	0.468
WSLSTV (10Z)	100	0.016	100	0.016
WCHSTV (08+)	41383	6.438	31708	4.933
WVSX.C (8)	10752	1.673	10752	1.673

Stations considered which do not cause interference:

WUSA (09Z)  
WNTV-D.C (09)  
WVFX-D.P.A (10)  
WNTV-D (9)

Call Letters	City	State	Dist	Bear
WUSA (09Z)	Washington	DC	360.8	69.9
WSOCTV (09+)	Charlotte	NC	293.3	175.3
WCPOTV (09Z)	Cincinnati	OH	335.1	295.1
WTOVTV (09+)	Steubenville	OH	273.4	6.6
WNTV-D.C (09)	Greenville	SC	351.7	201.7
WSLSTV (10Z)	Roanoke	VA	107.1	135.8
WCHSTV (08+)	Charleston	WV	98.2	305.6
WVFX-D.P.A (10)	Clarksburg	WV	165.7	19.6
WNTV-D (9)	GREENVILLE	SC	351.8	201.7
WVSX.C (8)	Lewisburg	WV	28.4	118.8

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Totals for WSWPTV (09-)

Calculation Area Population:	845,428	(	29726.4 sq. km )
Not Affected by Terrain Loss:	642,785	(	26422.5 sq. km )
Total NTSC Interference:	55,454	(	1491.5 sq. km )
DTV Only Interference:	0	(	0.0 sq. km )
Total DTV Interference:	0	(	0.0 sq. km )
Interfered Population:	55,454	(	1491.5 sq. km )
Interference Free:	587,331	(	24931.0 sq. km )
Percent Interference:	8.63		
Terrain Blocked Population:	202,643	(	3303.9 sq. km)
Contour Area Population:	846,291		

Incoming Interference to WSWP-TV from Other Stations  
and Allocations without the Proposed WVSX-DT

WSWPTV (09-) Grandview, WV  
TV Incoming Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
# of radials computed for contours: 72  
Contours calculated using 8 radial HAAT.  
LR Profile Spacing Increment: 0.1 km  
Interference considered within the  
reference station's noise limited contour.  
Threshold for reception: 56.0

Study Date: 4/25/02  
TV Database Date: 02-06-02

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 642,785.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WSOCTV (09+)	18	33	0.005	61.23
WCPOTV (09Z)	1439	3362	0.523	53.89
WTOVTV (09+)	4198	10239	1.593	333.79
WSLSTV (10Z)	47	100	0.016	39.36
WCHSTV (08+)	18834	41383	6.438	644.47

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WSOCTV (09+)	33	0.005	33	0.005
WCPOTV (09Z)	3362	0.523	175	0.027
WTOVTV (09+)	10239	1.593	3011	0.468
WSLSTV (10Z)	100	0.016	100	0.016
WCHSTV (08+)	41383	6.438	31708	4.933

Stations considered which do not cause interference:

WUSA (09Z)  
WNTV-D.C (09)  
WVFX-D.P.A (10)  
WNTV-D (9)

Stations which were not considered:

WVSX.C (8)

Call Letters	City	State	Dist	Bear
WUSA (09Z)	Washington	DC	360.8	69.9
WSOCTV (09+)	Charlotte	NC	293.3	175.3
WCPOTV (09Z)	Cincinnati	OH	335.1	295.1
WTOVTV (09+)	Steubenville	OH	273.4	6.6
WNTV-D.C (09)	Greenville	SC	351.7	201.7
WSLSTV (10Z)	Roanoke	VA	107.1	135.8
WCHSTV (08+)	Charleston	WV	98.2	305.6
WVFX-D.P.A (10)	Clarksburg	WV	165.7	19.6
WNTV-D (9)	GREENVILLE	SC	351.8	201.7
WVSX.C (8)	Lewisburg	WV	28.4	118.8

Totals for WSWPTV (09-)

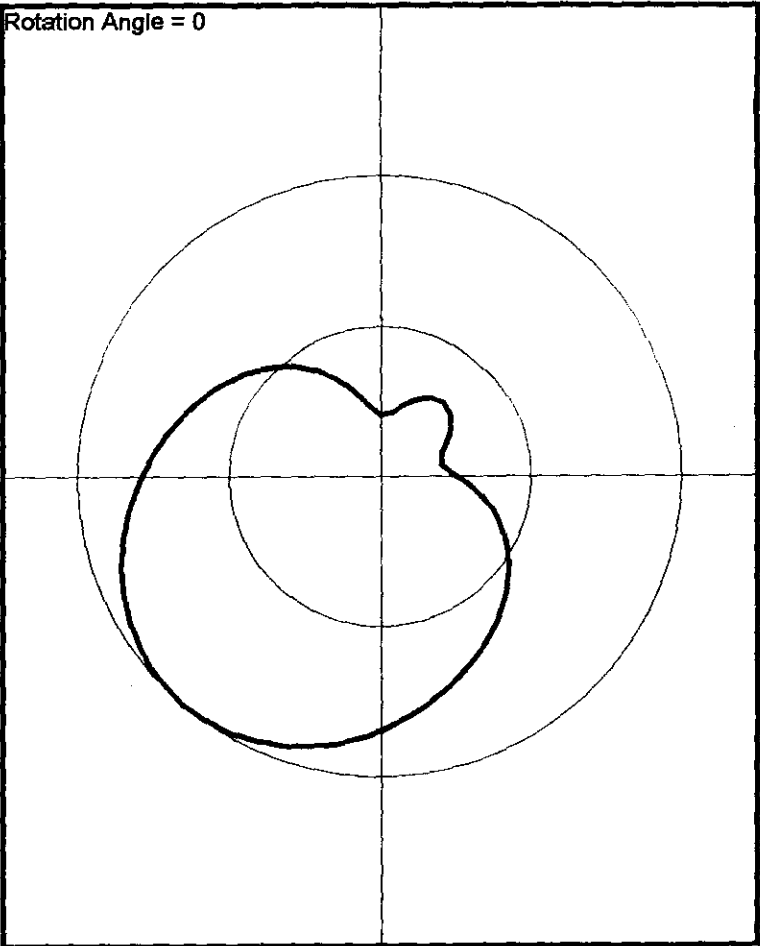
Calculation Area Population:	845,428	(	29726.4 sq. km )
Not Affected by Terrain Loss:	642,785	(	26422.5 sq. km )
Total NTSC Interference:	44,702	(	927.9 sq. km )
DTV Only Interference:	0	(	-0.0 sq. km )
Total DTV Interference:	0	(	0.0 sq. km )
Interfered Population:	44,702	(	927.9 sq. km )
Interference Free:	598,083	(	25494.7 sq. km )

Percent Interference: 6.95

Terrain Blocked Population:	202,643	(	3303.9 sq. km)
Contour Area Population:	846,291		

Antenna Pattern for WVSX-DT  
Pre-Rotation Antenna Pattern....

Azimuth (deg)	Effective Field
0.0	0.203
10.0	0.215
20.0	0.261
30.0	0.305
40.0	0.322
50.0	0.305
60.0	0.261
70.0	0.215
80.0	0.203
90.0	0.246
100.0	0.327
110.0	0.414
120.0	0.488
130.0	0.553
140.0	0.612
150.0	0.667
160.0	0.723
170.0	0.784
180.0	0.848
190.0	0.907
200.0	0.954
210.0	0.988
220.0	1.000
230.0	0.988
240.0	0.954
250.0	0.907
260.0	0.848
270.0	0.784
280.0	0.723
290.0	0.667
300.0	0.612
310.0	0.553
320.0	0.488
330.0	0.414
340.0	0.327
350.0	0.246



**WVSX-DT**

BPCDT19990917AAK

Latitude: 37-46-22 N

Longitude: 080-42-25 W

Power: 3.80 kW

Channel: 8

Frequency: 183.0 MHz

AMSL Height: 1249.0 m

Elevation: 1174.189 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: -1.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

**City Grade Service Contours  
for Proposed WVSX-DT on Ch. 8****White area is 43 dBu service using  
the Longley-Rice Propagation Model****Black contour is 43 dBu using the  
standard FCC curves.****D. L. Markley & Associates, Inc.  
Consulting Engineers**